



Flow Pack (Long)



Flow Pack (Short)



BFK1300M MAGLEV-DRIVEN FLOW WRAPPER

The BFK1300M Maglev-Driven Flow Wrapper is designed for the continuous flow wrapping of coated and filled chocolates, wafer biscuits, cookies, cereal bars, and similar products. Featuring a modular design, the BFK1300M can be flexibly customized to meet specific customer product requirements. The machine utilizes the Schneider Lexium MC12 Multi Carrier maglev independent conveying system, integrated with 15-axis servo motors, ELAU motion controller, HMI and bus-based integrated control system

Main Data

- Output**
 - Max.1,400 pieces/min

- Carton Size Range**
 - Length: 30-200mm
 - Width: 20-100mm
 - Thickness: 5-30mm

- Connected Load**
 - 32kw

- Utilities**
 - Compressed Air Consumption: 4 L/min
 - Compressed Air Pressure: 0.4~0.6 MPa

- Wrapping Materials**
 - Cold-seal film / Heat-seal film
 - PET multi-layer film
 - PP single-layer film
 - Sealed roll film

- Wrapping Material Dimensions**
 - Core Diameter: 76 mm
 - Outer Diameter: 350 mm
 - Material Width: 70-230 mm

- Machine Measurements**
 - Length: 9,260 mm
 - Width: 1,625 mm
 - Height: 2,110 mm

- Machine Weight**
 - 4,800 kg

Special Features

- Modular Design: The main unit and modular components can be flexibly combined to meet customized customer requirements
- Ensures '0% empty packs' and '0% connected packs' in the finished output
- Independent Servo Feeding: The 1-3 stage acceleration feeding belts are independently driven by servo motors; belt lengths can be customized
- Gentle Handling: The high-speed vacuum positioning feeding system prevents secondary damage to products such as bumping, squeezing, or friction
- Maglev Conveying: The conveyor chain is independently driven by the Schneider Lexium MC12 Multi Carrier maglev system
- Independent Servo Drives:
 - Longitudinal sealing wheels • Transverse sealing wheels • Paper folding wheels
 - Output conveyor belts • A pair of auxiliary paper feed rubber rollers • Servo web tracking/correction system
- Automated Paper Loading: Paper roll clamping and fixing are automatically completed by a pneumatic system
- Auxiliary Film Pulling Mechanism
- Centralized Lubrication System

Chengdu SANKE Industry Co., Ltd.

Add: No.518 Baiyun Road Eastern Industrial Zone, Xindu District, Chengdu City, P.R. China / Postcode: 610500
Phone: +86 28 8396 4810 / Fax: +86 28 8396 4252
Website: www.san-ke.com / Facebook: www.facebook.com/SankePacking
We reserve the right to change any or all specifications without prior notice



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With Multi Carrier / Maglev, you can achieve

- Up to 50% faster machine installation and commissioning
- Up to 50% higher machine performance
- Flexibility of one-click format switching
- Better OEE with less maintenance and better diagnostics
- Spacing between carriers can be flexibly set according to different formats
- Operation of carriers can be easily changed for different productions
- Carriers are attached to the track via magnetic adsorption, allowing quick carrier swap for different tools
- Multiple mounting holes are available on the carrier, allowing quick-release tool design for easy swap



The UZL-C1200 sorting conveyor system utilizes servo-driven precision control across its various belt sections to coordinate seamlessly. It organizes ordered products (such as chocolate bars, chocolate wafers, cookies, and cereal bars) into single-file lines, feeding them steadily and efficiently into the packaging machine. This sorting system is characterized by high positioning accuracy, minimal product contact, and superior stability. It maximizes the protection of materials against secondary damage such as bumping, squeezing, or friction

- Acceleration Belt: Separates incoming products to create spacing and feeds them in an orderly manner into the differential speed belt
- Differential Speed Belt: Consists of two horizontal parallel belts operating at different linear speeds. This mechanism rotates rectangular or oval confectionery items by approximately 30° and further increases the spacing between them
- Sorting Belt: Horizontal and vertical sorting belts work in synergy. The system simultaneously detects any products that fail to meet sorting requirements (such as connected blocks, overlapping, or side-by-side alignment) and performs real-time online rejection
- Buffer Belt: Accumulates a specific quantity of products to ensure smooth and stable system operation
- Vacuum Belt: Sections 5 and 6 consist of two groups of vacuum belts. By utilizing negative pressure air ducts beneath the belts and small holes on the belt surface, products are securely adsorbed onto the belts. This achieves precise positioning. After two stages of precise spacing adjustment, the products are steadily transferred to the dual-belt system
- Dual Belt: Upon entering the dual-belt section, product positioning is fine-tuned once more to ensure accurate delivery into the main machine station



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